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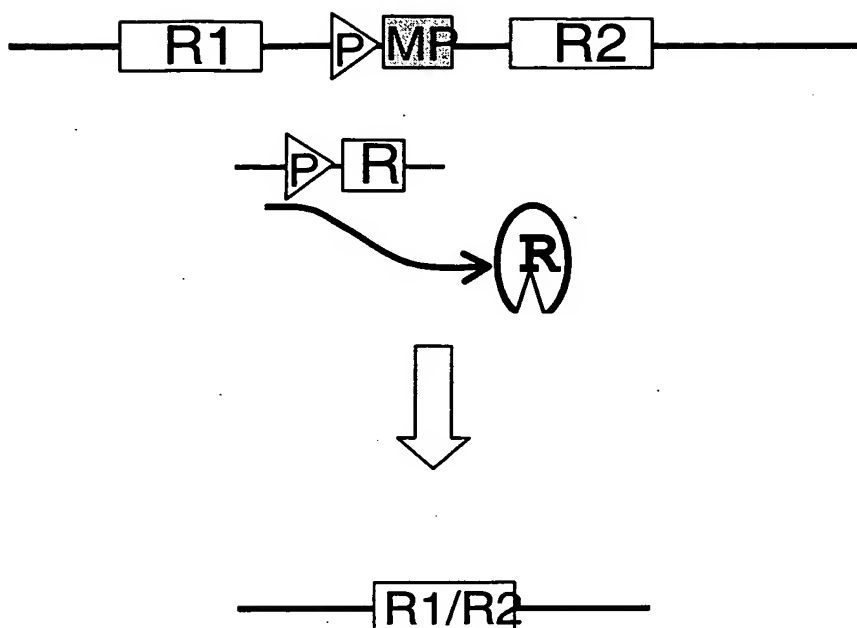


Fig. 1

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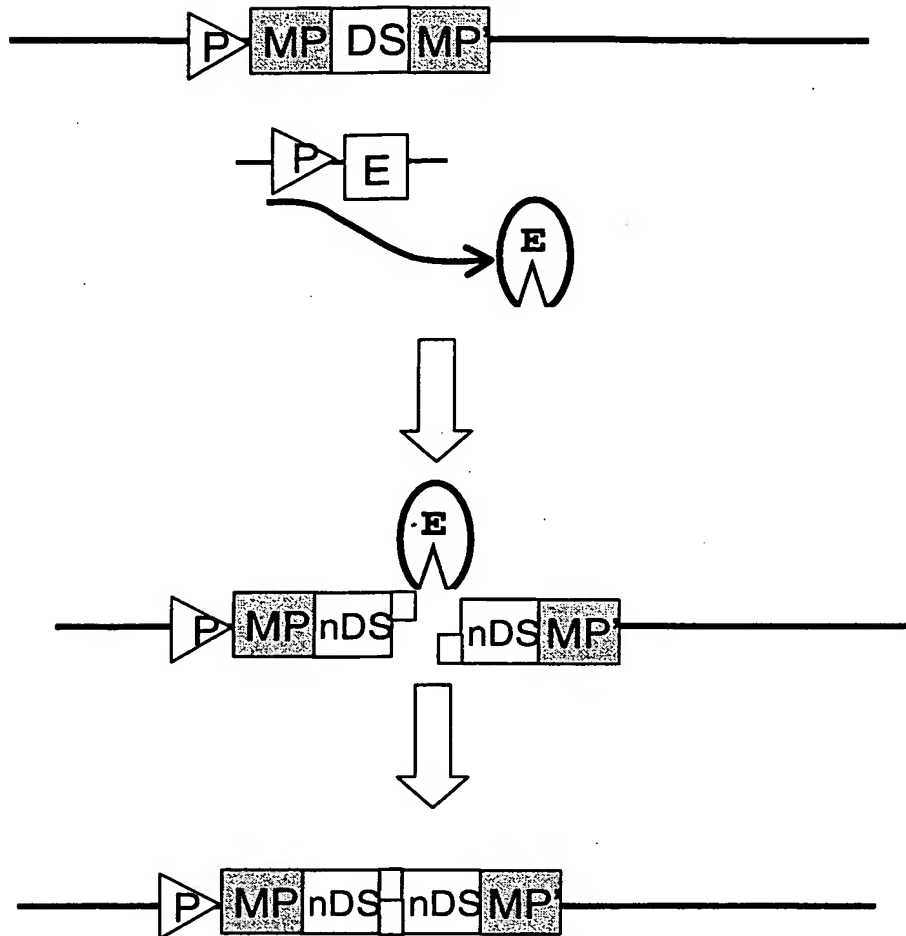


Fig. 2-A

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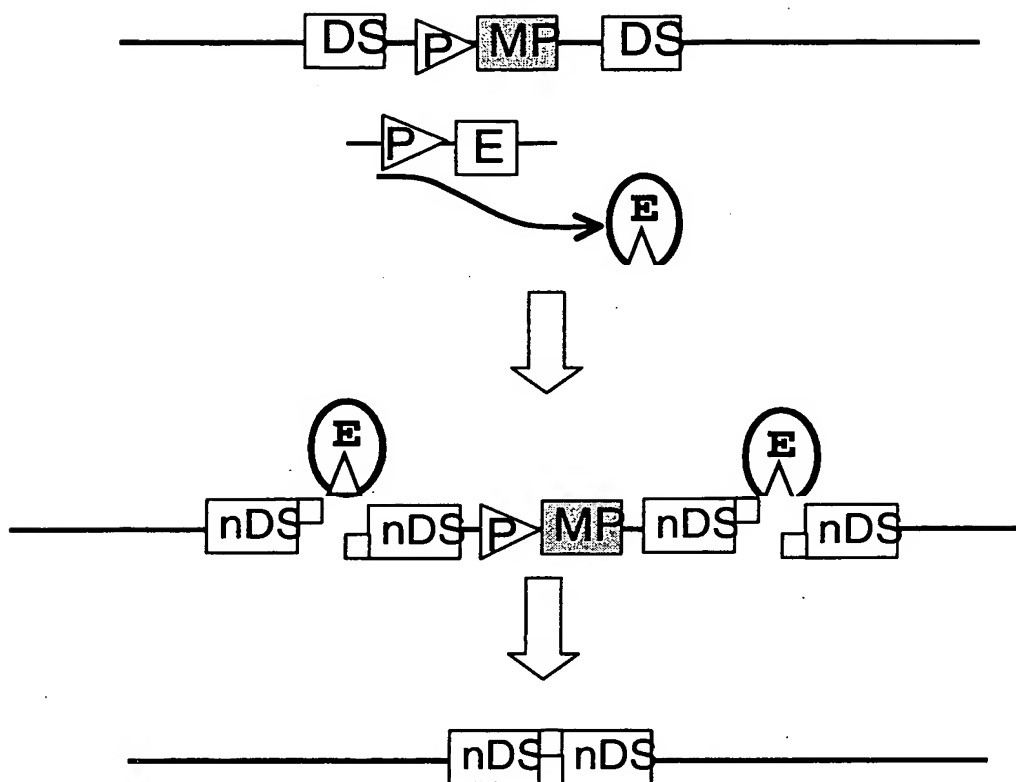


Fig. 2-B

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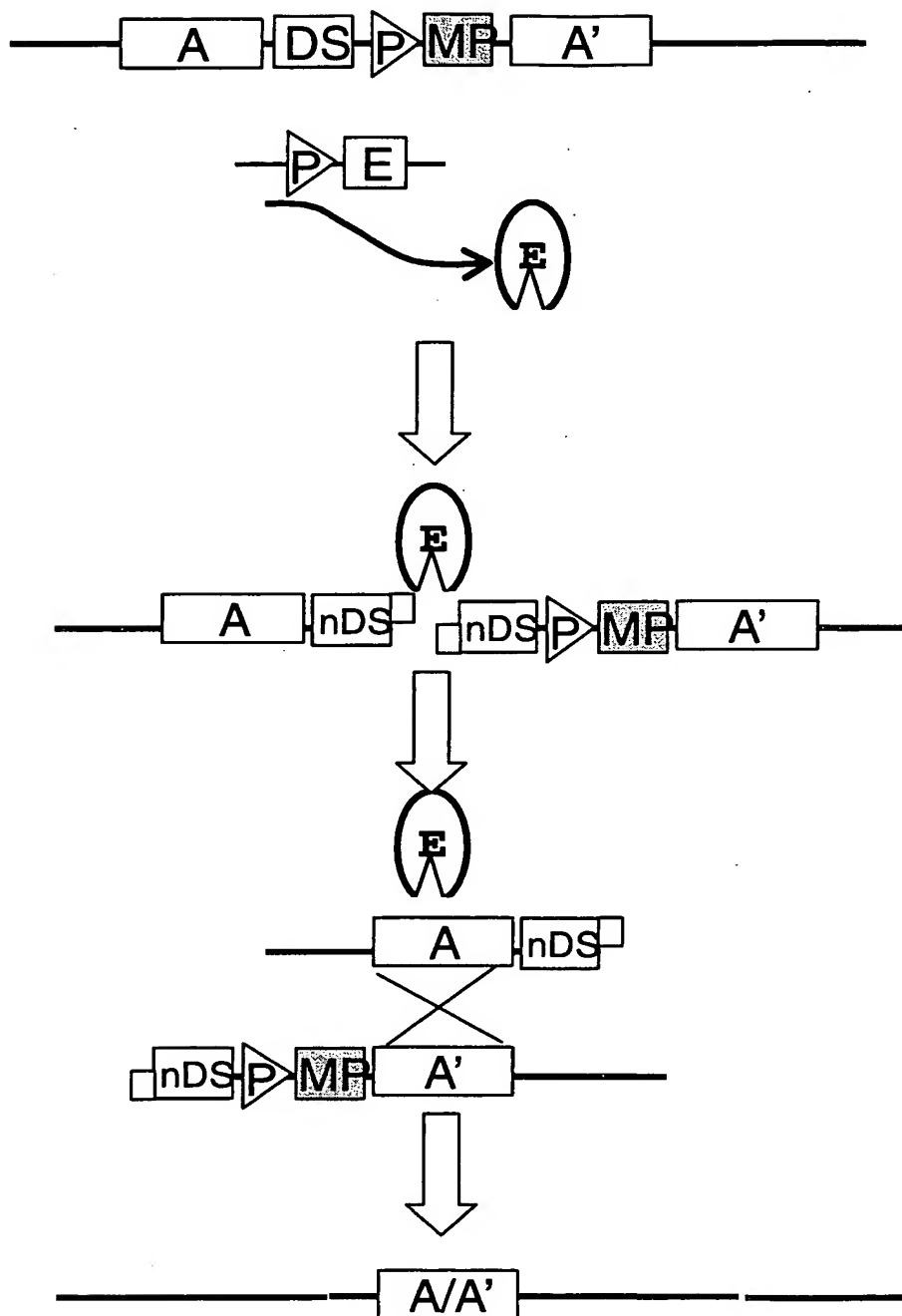


Fig. 3

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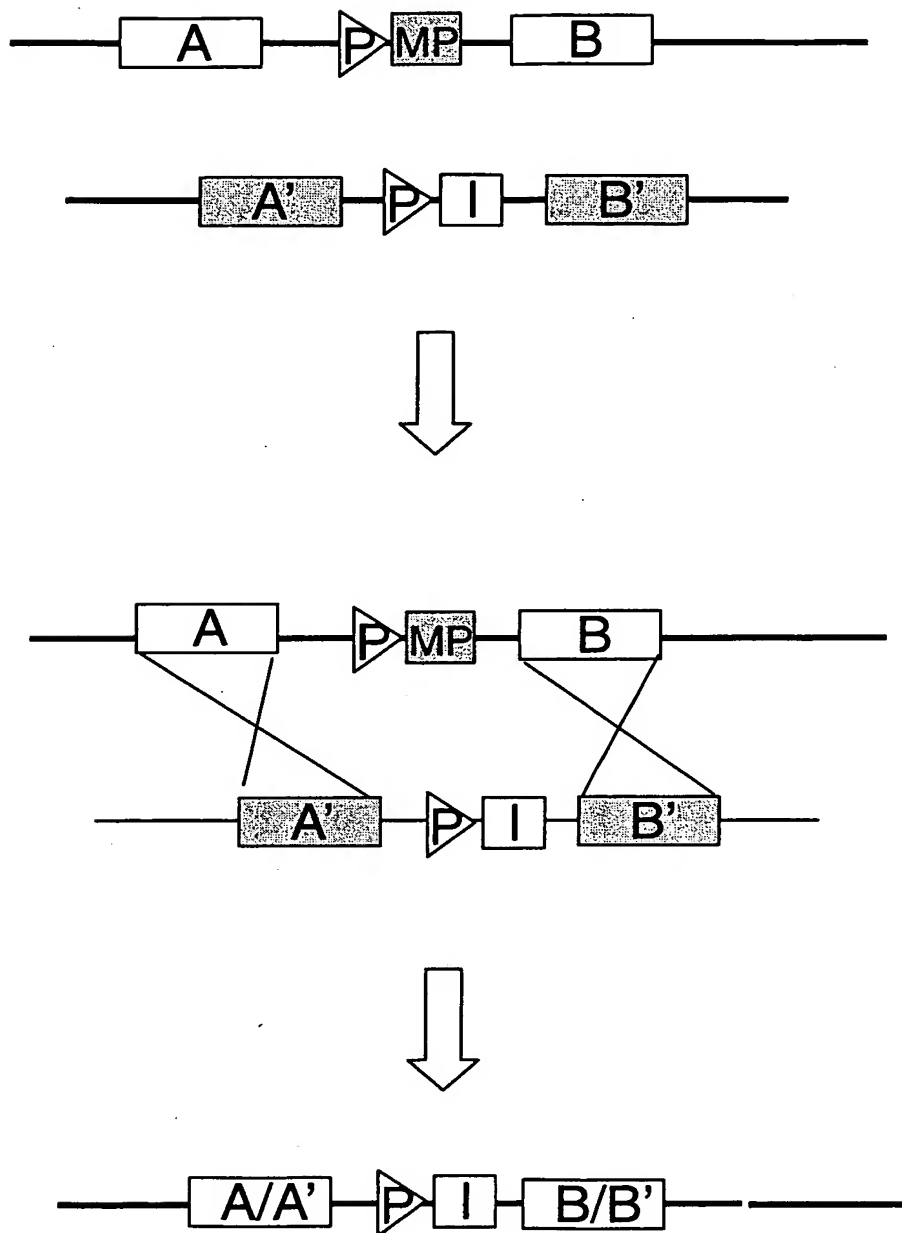


Fig. 4

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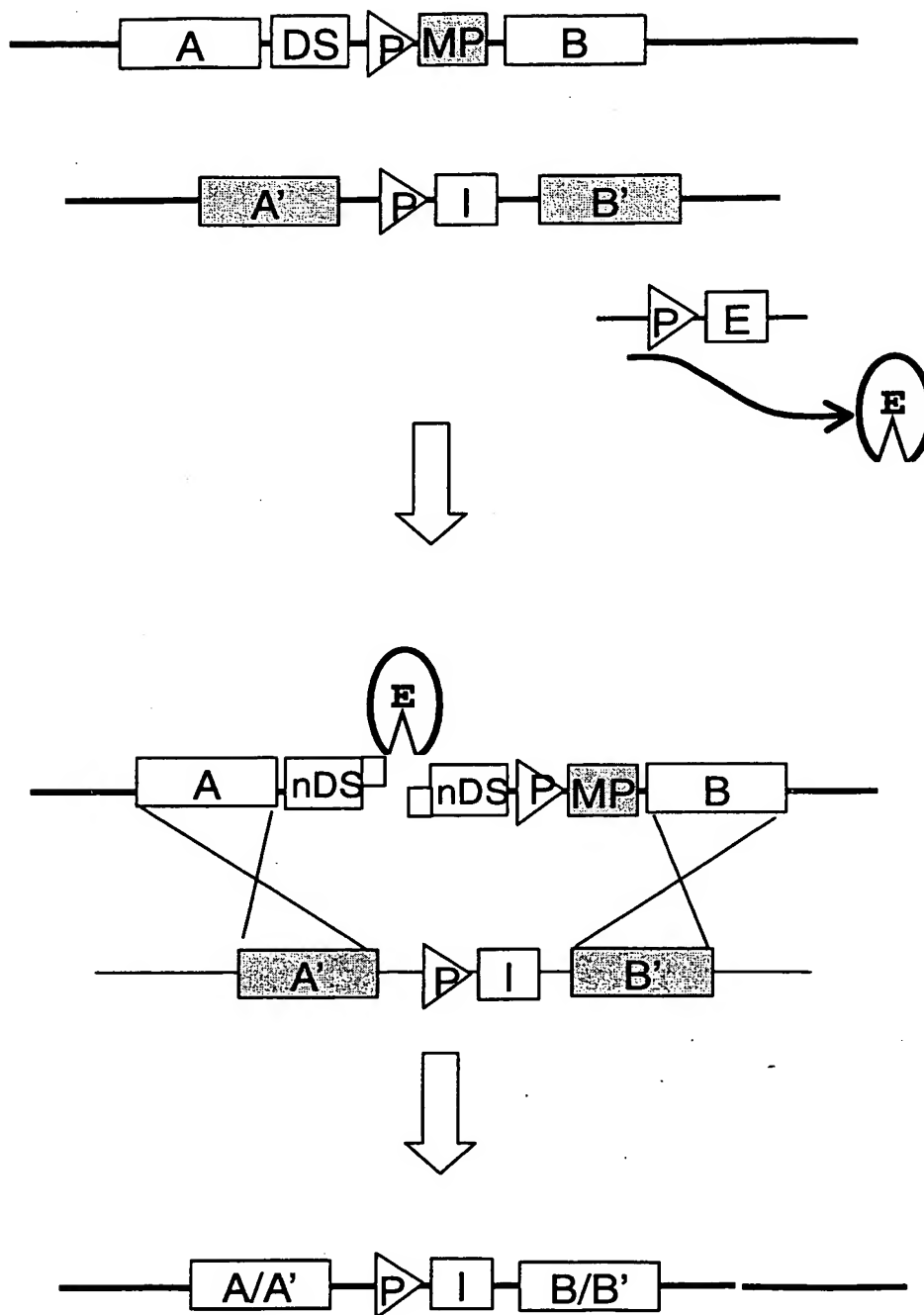


Fig. 5

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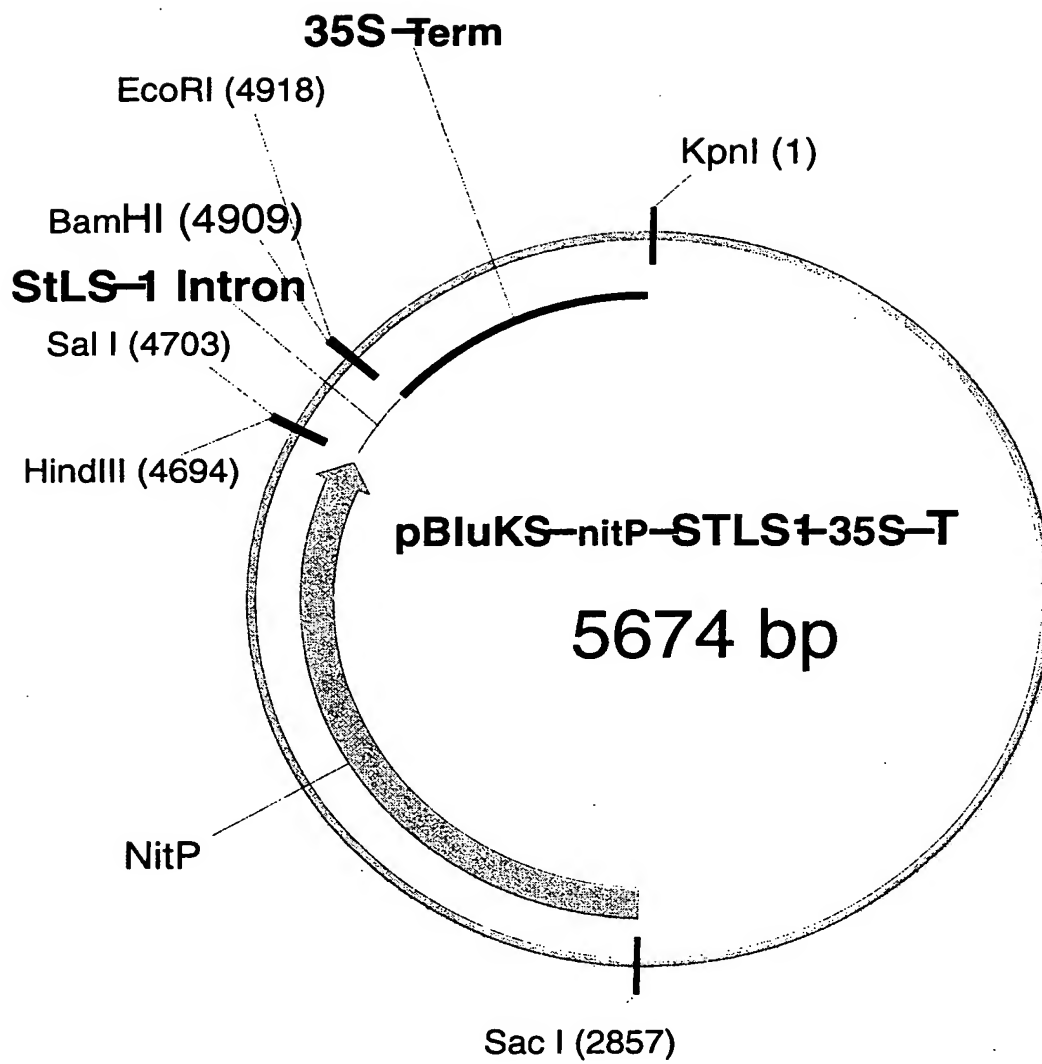


Fig. 6

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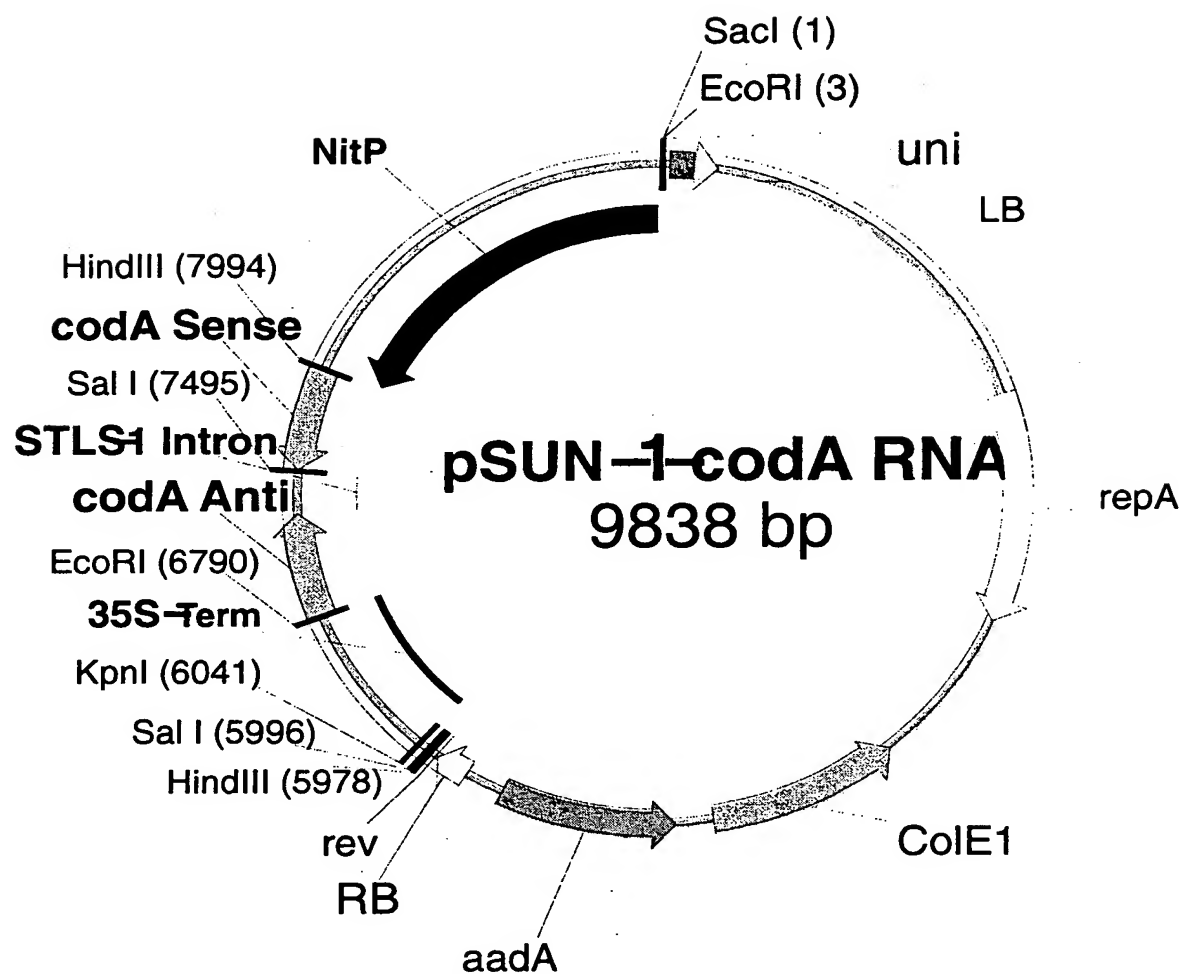
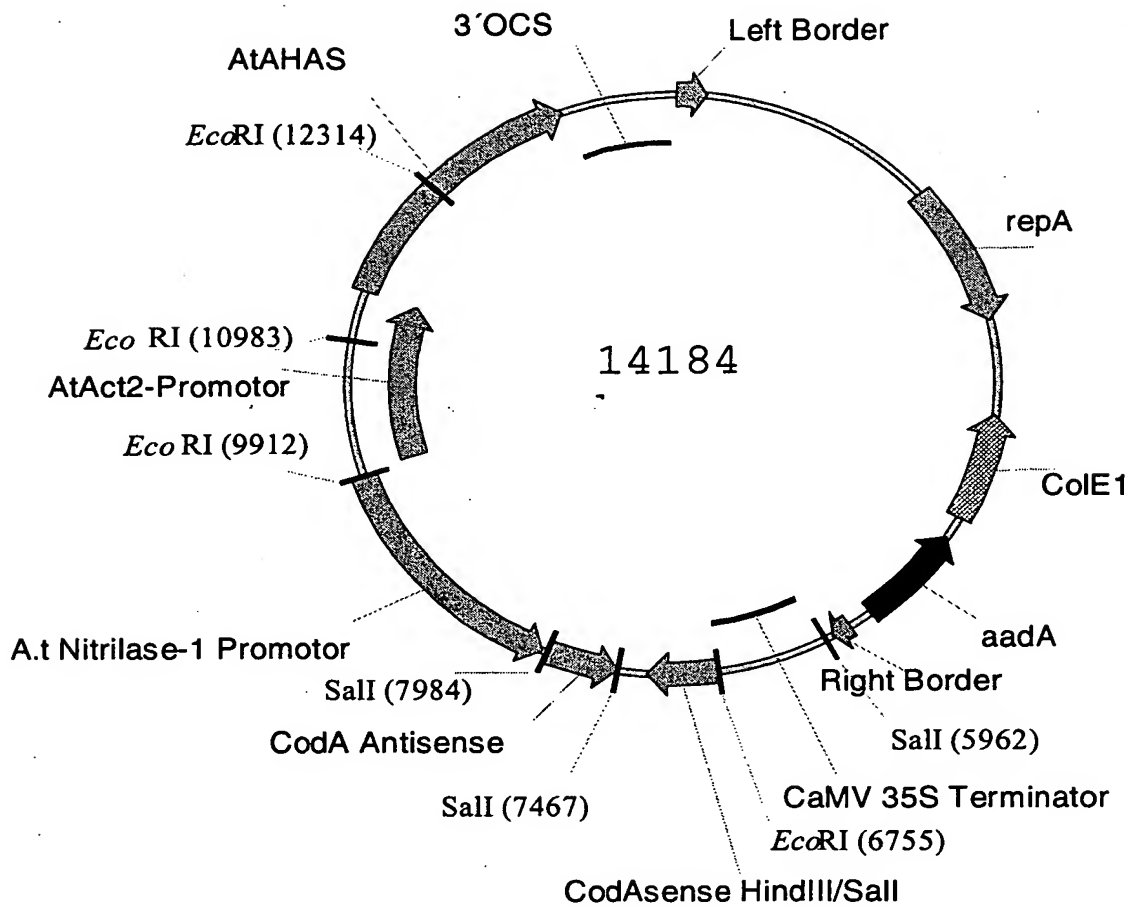


Fig. 7



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pSUN1-codA-RNAi-At.Act.-2-At.Als-R-ocsT

Fig. 8

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	1	50
Klebsiella pneumoniae	(1) -----MSQYHTFTAHDVAVAYAQ	
Clostridium tetani.	(1) -----MSRFDShFRMETEDAILYAKE	
Zea mays	(1) ARALLSSPLAGASPCQSASAMAAEEEQGFRPLDESSLLAYIKATPALAS	
A.thaliana	(1) -----MSFEEFTPLNEKSLVDYIKSTPALSS	
Brassica napus-2	(1) -----VDDFVLRAKEMSFDEFKPLNEKSLVEYIKATPALSS	
Soy-1	(1) -----	
Oryza sativa-1	(1) -----	
Consensus	(1) -----	L V A
	51	100
Klebsiella pneumoniae	(19) FAGIDNPSELVSAQEVGDGNLNLVFKVFDQRQVSRAIVKQALPYVRCVGE	
Clostridium tetani.	(22) KLGIFDEHAKLQAEIIGDGNINIVFKVWDVNTKKSIVIKHADIFLRSSGR	
Zea mays	(51) RLGGSGLDSIEIKEVGDGNLNFVYIVQSEAGA--IVVKQALPYVRCVGD	
A.thaliana	(27) KIGADKSDDDLVIKEVGDGNLNFVFIIVGSSGS--LVIKQALPYIRCIGE	
Brassica napus -2	(37) RLGDKY--DDLVIKEVGDGNLNFVFIIVGSTGS--LVIKQALPYIRCIGE	
Soy -1	(1) -----	
Oryza sativa -1	(1) -----	
Consensus	(51) KLG D L EVGDGNLNFV V G LVIKQALPYIRCIGE	
	101	150
Klebsiella pneumoniae	(69) SWPLTLDRARLEAQTLVAHYQHSPQHTVKIHHFDPELAVMVMDLS-DHR	
Clostridium tetani.	(72) --ELDVDNRNRIEAEVLMQLGILAPGLVPKVYKYSVMCNLSMEDIS-DHR	
Zea mays	(99) SWPMTKERAYFEATTLREHGRLCPEHTPEVYHFDRTLSLMGMRYIEPPHI	
A.thaliana	(75) SWPMTKERAYFEATTLRKHGNSPDHVPEVYHFDRTMALIGMRYLEPPHI	
Brassica napus -2	(83) SWPMTKERAYFEATTLRKHGGLSPDHVPEVYHFDRTMALIGMRYLEPPHI	
Soy -1	(1) -----IPEHVPEVYHFDRTMSLIGMRYLEPPHI	
sativa -1	(1) -----	
Consensus	(101) SWPMT ERA EA TL HG LSPDHVPEVYHFDRTMALIGMRYLEPPHI	
	151	200
Klebsiella pneumoniae	(118) IWRGELIANVYYPQAARQLGDYLAQVLFHTSDFYLHPHEKKAQVAQFIN-	
Clostridium tetani.	(119) NLRKELLKRNTFSPFAEHITTFIVDTLLPTDLVMDSGEKKDNVKKYIN-	
Zea mays	(149) ILRKGLVAGVEYPLLADHMSDYMAKTLFFTSLLYNNTTDHKNGVAKYSAN	
A.thaliana	(125) ILRKGLIAGIEYPFLADHMSDYMAKTLFFTSLLYHDTTEHRRAVTEFCGN	
Brassica napus -2	(133) ILRKG-----	
Soy -1	(29) ILIKGLIAGIEYPFLAEHMADFMAKTLFFTSLLFRSTADHKRDVAEFCGN	
Oryza sativa -1	(1) -----LLYNSTTDHKKGVAQYCDN	
Consensus	(151) ILRKGLIA I YP ADHM DYMA TLF TSLLY T DHK VA F N	
	201	250
Klebsiella pneumoniae	(167) PAMCEITEDLFFNDPYQIHERN--NYPAELEADVAALRDDAQLKLAVAAL	
Clostridium tetani.	(168) KDLCKISEDLVFTEPFIDYKSRNTVLEENIEFVKRQLYEDKELILEAGKL	
Zea mays	(199) VEMCRLTEQVVFSDPYRVSKFNR-WTSPYLDKDAEAVREDELKLEVAGL	
A.thaliana	(175) VELCRLTEQVVFSDPYRVSTFNR-WTSPYLDLDDAKAVREDSALKLEIAEL	
Brassica napus -2	(138) -----	
Soy -1	(79) VELCRLTEQVVFSDPYKVSQYNR-WTSPYLDRAEAVREDNLLKLEVAEL	
Oryza sativa -1	(20) VEMCRLTEQVVFSDPYMLAKYNR-CTSPFLDNDAAVREDAELKLEIAEL	
Consensus	(201) VELCRLTEQVVFSDPY VS FNR TSPYLD DA AVRED LKLEVA L	

Fig. 9a

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251	300
Klebsiella pneumoniae	(215) KHRFFAHAEALLHGDHSGSIFVAEGSLKAIDAEFGYFGPIGFDIGTAIG
Clostridium tetani.	(218) KNNFMNNSQALIHGDLHSGSIFVNEESTKILDPEFAFYGPYDLGNVIG
Zea mays	(248) KSMFIERAQALIHGDLHTGSIMVTEVQLKSLIQNLGSMGPMGFDIGSLPW
A.thaliana	(224) KSMFCERAQALIHGDLHTGSVMVTQDSTQVIDPEFSFYGPMGFDIGAYLG
Brassica napus -2	(138) -----
Soy -1	(128) KSKFIES-----
Oryza sativa -1	(69) KSMFIERAQALLHGDHSGSIFVTPDSTQVIDPEFAFYGPMGYDIGAFLG
Consensus	(251) KS FIE AQALIHGDLHTGSI V S ID EFAFYGPMGFDIG IG
	301 350
Klebsiella pneumoniae	(265) NLLLNVCGLPGQLGIRDAAAAREQRLNDIHQLWTTFAERFQALAAEKTRD
Clostridium tetani.	(268) NLFFAWANAYVTEDGKEVEEFTIWIIEKTIENILELFKEKFIKKYKEIVTD
Zea mays	(298) KPDPFGHTMHRMGMLIKRMIVRLTRMDLEDN-----
A.thaliana	(274) NLILAFFAQDGHATQENDRKEYKQWILRTIEQTWNLFNKRFIALWDQNKD
Brassica napus -2	(138) -----
Soy -1	(135) -----
Oryza sativa -1	(119) NLILAYFSQDGHADQANDRKAY-----
Consensus	(301) NL AY
	351 400
Klebsiella pneumoniae	(315) AALAYPGYASAFLLKKVWADAVGFCGSELIRRSVGLSHVADIDTIQDDAMR
Clostridium tetani.	(318) VMAKEEYMNWYLHLSILSDTAGQVGLEIIRRVVGDSKVLDTITSITDINKR
Zea mays	(328) -----
A.thaliana	(324) GPGEAYLADIYNNTEVLKQVQENYMRNLLHDSLGFGAAMIRRVGVAVH
Brassica napus -2	(138) -----
Soy -1	(135) -----
Oryza sativa -1	(141) -----
Consensus	(351)
	401 447
Klebsiella pneumoniae	(365) HECLRHAITLGRALIVLAERIDSVDELLARVRQYS-----
Clostridium tetani.	(368) VKAERILILSAKTFIKNRHKIKTGKRYVEIFNSNMY-----
Zea mays	(328) -----
A.thaliana	(374) EDFESIEEDKRRRAICERSALEFAKMLLKERRKFKSIGEVVSAIQQOS
Brassica napus -2	(138) -----
Soy -1	(135) -----
Oryza sativa -1	(141) -----
Consensus	(401)

Fig. 9b